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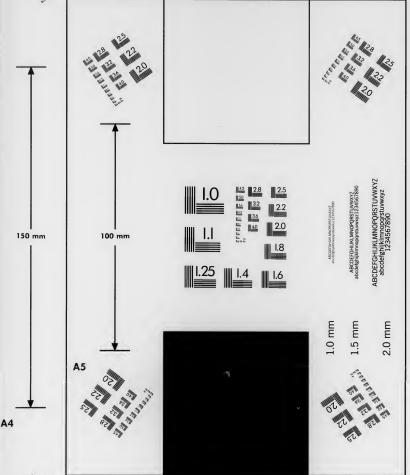
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The College of the City of New York

REPORT OF THE COMMITTEE

ON

MUNICIPAL SERVICE SURVEY

352 N48r

DECEMBER 31, 1915





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The College of the City of New York

REPORT OF THE COMMITTEE

ON

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The Callege of the City of New York Department of Education

Dr. Sidney Edward Mezes, President, The College of the City of New York.

Dear Mr. President:

On March 6, 1915, you appointed the following Committee on Municipal Service Survey: Messrs. Baskerville, Clark, Parmly, Storey and Duggan (Chairman). The Committee was directed, generally speaking, to consider and to report the ways in which the College might be of service to the City government in preparing students for positions in the City employ and in improving the efficiency of those already in the City service.

The Committee met on March 9, 1915, and after a careful consideration of several plans decided to limit its investigations, at first, to those departments of the City government the work of which is of high educational or technical character and for which the College could directly prepare especially the Departments of Finance, Health, Education, and Public Works. Moreover, as the detailed investigation would require a great deal of time and effort, it was decided to request the President to appoint a sub-committee composed of representatives from the College departments most interested. They were to gather for the heads of departments the information that would enable the latter to determine the ways in which they could best co-operate with the departments of the City government. Prof. Breithut of the Department of Chemistry, Prof. Goldfarb of the Department of Natural History, Prof. Klapper of the Department of Education, Prof. Woolston of the Department of Political Science and Prof. Parmly of the Department of Physics formed with the Chairman this subcommittee. At its first meeting on March 16th this sub-committee drew up a plan of work in accordance with the general principles agreed upon by the Committee. Each member of the sub-committee devoted himself to gathering information in the department of the City government to which his own College department was cognate and the entire sub-committee met weekly for purposes of consultation and deliberation. The sub-committee received much assistance from organizations which had information upon its problem. Prof. Breithut in his report explains the nature of the assistance secured and expresses the gratitude of the Committee.

After a careful study of the material secured from the various sources and upon the advice of several heads of City departments who had been consulted, the Committee decided to send a questionnaire to the employees engaged in the various grades of the City service to find out what courses these employees themselves wished to pursue to increase their efficiency and to secure advancement in grade. The questionnaire was first submitted to the heads of the City departments and received their approval. It was then circulated among the employees in the departments under consideration. The Committee was convinced that for a proper appraisal of the answers to the questionnaire, it was necessary for one person to read and evaluate them, and upon the basis of the information thus secured to consult further with the heads of the City departments and with the Municipal Civil Service Commission.

Prof. Frederick E. Breithut was selected for the work and not only performed that service but made a most intensive study of the whole problem. His report which is appended was first submitted for consideration to the sub-committee and received its hearty endorsement. It is now forwarded to you with the cordial approval of the Committee.

Sincerely yours,

STEPHEN P. DUGGAN,
Chairman. Committee on Municipal Service Survey

December 31, 1915.

REPORT OF THE COMMITTEE ON MUNICIPAL SERVICE SURVEY

I. PURPOSE

On March 6, 1915, President Sidney E. Mezes, of the College of the City of New York, appointed a Committee on Municipal Service Survey. The fundamental work of this Committee was to consider and to report the ways in which the College might be of service to the City government:

(1) in preparing students for entrance into the City's employ and

(2) in improving the efficiency of those already in the City's service.

II. DATA

The Committee considered its first duty to be the gathering of data concerning the muncipal service as it is at present. These data are embodied in the appended tables, as follows:

TABLE 1 (see insert at end) shows the number of employees under each title in each department of the City and the total number for each title and for each department. These facts were obtained from the Civil List of December 31, 1914, the latest available at the time the Committee began its work. At that date the City of New York employed in its sixty-two departments or bureaus 86,397 men and women under 371 titles. Many of the positions, though different in title, are similar vocationally or functionally.

TABLE 2 shows these positions grouped vocationally.

TABLE 3 contains a summary of the number in each vocational group in each department.

TABLE 4 contains the total number in each vocational group for the entire City.

TABLE 5 contains a recapitulation showing the number of female employees in the service of the city arranged according to departments and according to occupation.

TABLE 6 contains a summary of the numbers and salaries of certain typical positions which might be regarded as attractive to college graduates.

III. PROBABLE APPOINTMENTS

Having completed the picture of the municipal civil service as at present constituted, the next problem before the Committee was that of the probable number of vacancies in this service—especially those for which college training is an asset.

TABLE 7 shows the number of appointments made to all positions during the years 1908-1915 from competitive eligible lists. Those marked with a star are most likely to appeal to college students or graduates. An examination of this table reveals that the inspectional service especially offers a large field for usefulness.

TABLE 8 contains a list of the probable examinations for the year 1916.

IV. CONFERENCES

The Committee decided to secure, wherever possible, the aid of all agencies, public and private, which could help it in its work. To this end conferences were held with the heads of City departments or with their representatives, with the heads of the College departments, with representatives of the Bureau of Municipal Research and its Training School for Public Service, with representatives of the New York Civil Service Society, the Employees' Conference Committee and the Bureau of Standards. To all of these agencies the Committee wishes to express its sincere gratitude for the hearty spirit of co-operation shown. Especially do we wish to thank Mr. John H. Greener of the Law Department, to whom we are indebted for much of the material embodied in

the tables above cited; to City Chamberlain Bruère; to Dr. Henry Moskowitz and the Civil Service Commission; to the Bureau of Standards; to Dr. Frederick A. Cleveland of the Bureau of Municipal Research and to Prof. Chas. A. Beard and Mr. Edwin Stoiber of the Training School for Public Service.

The results of our conferences are embodied in our findings and recommendations.

V. QUESTIONNAIRE TO MUNICIPAL EMPLOYEES

After a careful study of the material secured from the various sources and upon the advice of several department heads, the Committee decided to send a questionnaire to the city employees. The questionnaire read as follows:

THE COLLEGE OF THE CITY OF NEW YORK COMMITTEE ON MUNICIPAL SERVICE SURVEY

This questionnaire is directed to New York City employees by the City College as the result of a conference between the Board of Trustees and the City Administration. Its object is to secure information which will aid in establishing courses adapted to the needs of city employees in the performance of their official functions. Will you please fill out at once and return to the Committee on Municipal Service Survey at the City College.

DepartmentBureau or Division
Title of PositionGrade or Class
Male or FemaleAgeBirthplace
Last School or College attended
Grade or year at leaving or graduation
Professional, technical or business training
Practical experience prior to present appointment
Appointments in City Civil Service
Dates
Positions
Salary
Exact nature of work in present position
What training would assist your advancement?
How much time could you give to it and when?

Check the courses here indicated which you would desire to take.

DRAWING

Mechanical and Topographical.

LANGUAGE AND LITERATURE

English (oral and written), French, German, Spanish.

SOCIAL SCIENCE

Education—history, philosophy, methods.

History-constitutional and political.

Philosophy-history, application to laws and science, psychology.

Political Science—economics and business, government and law, sociology, municipal affairs.

NATURAL SCIENCE

Chemistry—general, analytical, industrial, municipal, organic, and commercial.

Mathematics—algebra, geometry, trigonometry, analytics, calculus, business computation.

Natural History—general biology, bacteriology, geology and minerology, municipal sanitation.

Physics—general, applications to civil, electrical and mechanical engineering.

Add other courses desired

Remarks.....

The nature of the routine courses asked for is shown in TABLE 9. It is interesting to note that the general courses seemingly most needed are: English, oral and written; political science; municipal affairs. Though, in general, in the 466 replies received, the requests for courses were along conventional lines, this direct appeal to the employees themselves yielded several valuable suggestions. Each reply was considered individually and a personal letter of advice sent in answer.

VI. FINDINGS

As a result of its investigation the committee finds that the problem of municipal service training resolves itself into three distinct parts:

- (1) The training of those already in the public service.
- (2) The training for entrance into the service in the lower grades.

(3) The training of those in groups (1) and (2) for the higher positions: technical, professional and administrative.

1. The training of those already in the service.

With regard to the first group, training may serve two purposes: to increase the efficiency of the city employees and to aid in their promotion to higher grades of service. Both of these problems have already been partially provided for by the College. In the first place, all courses offered at the College, both in the day and evening sessions are open to municipal employees, without regard to previous formal training. The only prescribed qualification is that the candidate for entrance to a course must give satisfactory evidence of his ability to pursue it with advantage.

In the second place, courses are already being given in the Municipal Building to meet the special needs of certain employees in the engineering and clerical services. Other courses are being planned. The necessary steps toward obtaining the recognition of these courses in rating the employee's efficiency and in aiding his promotion are being taken.

The Committee therefore feels justified in leaving this branch of the work of municipal service training in the efficient hands of those already engaged in its fulfillment.

In passing it may be remarked that the Bureau of Standards of the Board of Estimate and Apportionment is at present proposing a re-classification of the city service, with tentative specifications for the various grades within each group. They also propose a new scheme of promotion. We have not embodied the suggestions of the Bureau of Standards in this report as they are still in the process of formation and possible adoption. We considered it better to deal with the situation as it actually exists. The Committee is pleased to be able to state, however, that its findings and recommendations are in

10

2. The Training for Entrance into the Service in the Lower Grades.

In considering the problem of training for entrance into the service in the lower grades the Committee met with its greatest difficulties. These positions belong to what is termed the 'competitive' class, i. e., these positions are filled by open competitive examination.

It is the present practice of the Municipal Civil Service Commission to require each candidate not only to pass this written examination but also to submit an 'experience' paper. In this paper, the candidate states his training and his practical experience bearing on the work he is to do. The Municipal Civil Service Commission had the kindness to permit the Committee to examine some typical sets of experience papers. This investigation revealed that, in the past, the relative weight given to practical experience has been greater than that given to academic training. This attitude on the part of the Commission is readily understandable. It is only natural for an employer to require that his possible future employee should have had some practical experience in the work he is to do.

On the other hand, we have the equally natural desire of the College to retain its traditions and ideals.

After all, the fundamental work of a college—irrespective of what other activities it may engage in—is the academic training of its students. To say that this training should have a thorough disciplinary and cultural value, that it should produce the 'rounded' man, is but to repeat the obvious. It is difficult, in attempting to adapt such training to specific useful ends, to avoid yielding to the temptation of easing up on the severity of ordinary academic standards. Neverthe-

less, it is equally obvious that the College should set its face resolutely against such a practice. Nor is there need for it. If we are to turn out a half-baked product only capable of passing a civil service examination, we are not doing the work of a college—we are simply duplicating the work of the many cramming schools already in existence, which proudly point to their so-called 'graduates' who have been 'placed' in positions for which frequently they are but superficially fitted. With all its history and tradition for thoroughness, this College cannot afford to enter into competition with schools of this type.

Here, then, is our problem: How can we give the student a thorough collegiate training and, at the same time, give him bractical experience along the line he wishes to enter?

The true training for public service—such training as the City College can consider worthy of its effort-must combine thorough grounding in fundamentals with adequate preparation for and training in the duties of municipal service. To the discipline and breadth of view of a college course must be added the technique of a serious vocation. A student contemplating entrance into the service of the City should have as broad a mental vision as though he were entering a profession. In a profession he must have not only the basic fundamental training but also he must acquire proficiency in its methods. So, also, in entering the municipal service, he must have both disciplinary training and, in addition, practical acquaintance with the work he is to do. The latter can only be obtained by experience and such experience can best be gained by actual contact with the work of the City department itself.

The solution of our problem, therefore, lies in the direct cooperation of the College and the City in their work. This compromise is in consonance both with the most recent and progressive educational development and also with the best practices of civil service employment. 12

COMMITTEE ON MUNICIPAL SERVICE SURVEY

13

That such co-ordination is possible is evidenced by certain courses already being given by the Department of Education and the Department of Chemistry.

In the former, briefly summarized, the facts are as follows:1

1. No student is allowed to take the examination for license to teach in the elementary schools unless he has completed to the satisfaction of the College authorities the following courses:

Logic and psychology	90	hours
History and Principles of Education	90	"
Methods of Teaching	60	"

Before the student takes the examination we must certify not only to successful work in these subjects, but we must also answer personal questions concerning the student's general scholarship, personality, etc.

2. No student in the College is allowed to take the examination as Pupil Teacher in the High School unless he brings a recommendation signed by the Head of the Department of Education. Upon such recommendation the student is admitted to an oral examination and, on passing, granted his license.

3. The course called Methods in Secondary Education counts directly towards eligibility to teach in the high schools; for example, to be eligible to teach in the high schools a candidate must present one of the following conditions:

- (a) Successful teaching experience of 180 days
- (b) Successful teaching experience of 90 days

together with 150 hours of post-graduate work in a specialty. But 60 of these 150 hours may be taken in Methods of Secondary Teaching during the Senior year; therefore, a student who has 90 hours of graduate work and has successfully completed our course in Secondary Teaching is eligible to take the examination as regular teacher in the high schools provided he has 90 days of teaching experience.

The Department of Chemistry gives a course in Municipal Chemistry in which there is direct co-operation with the Central Testing Laboratory of the Board of Estimate and Apportionment. The following means are used:

(a) The Central Testing Laboratory sends the College samples of materials which are purchased by the City (e. g. paints, soaps, cements, asphalts, rubber goods, coal) with

ii, the results of the analysis:

i, the specifications under which they were purchased: iii, copies of the printed forms used in reporting analyses;

iv, copies of the analytical methods used in the Central Testing Laboratory.

(b) Lectures to the students by the members of the staff of the Central Testing Laboratory expert in the various branches of their work.

(c) Lectures by the members of the staff of the Department of Chemistry to the staff of the Central Testing Laboratory.

(d) Visits by the students of the College to the Central Testing Laboratory.

A course in Food Inspection and Analysis is given in co-operation with the Food and Drug Inspection Laboratory of the Department of Health, Similar means of co-operation are used.

A course in Municipal Sanitary Inspection is given by the Departments of Chemistry and of Natural History in cooperation with the Department of Health. Here the field work of the student is done with a Health Department Inspector and its theoretical interpretation is made at the College.

If the College is to prepare its students for entrance into other branches of the municipal service, it is necessary that the principles exemplified in the courses just mentioned be extended to other departments. The working out of such a program is not to be lightly sketched as a result of superficial consideration. The detailed planning calls for earnest thought. Generalities, however true or interesting, will not suffice. Concreteness and specificity are absolutely essential.

¹Ouoted from a letter of Prof. Paul Klapper (December 21, 1915).

But even if we assume that such a course of training has been most carefully planned, even if we assume that direct co-operation between the College and the City departments is established, there is another essential to the successful, practical operation of the program. It is imperative that the experience gained by the student through the co-operation of the College and the City departments be recognized and credited by the Municipal Civil Service Commission. Otherwise the whole effort fails to secure to the college graduate the same advantage as that possessed by those who acquire experience in other ways. Under such circumstances, to encourage students to train for entrance to the municipal service would be a breach of academic trust.

If, on the other hand, such credit were given, we could have in the City of New York a splendid illustration of the successful operation of efficient democracy. The City of New York maintains its College on an absolutely free basis. Nearly all of its graduates are also graduates of its free public schools and free high schools. If free democratic education is to reap its fullest harvest, surely the graduate of a free public school, a free high school and a free college, who has received in the course of his training actual contact with the City service, should be regarded as an ideal candidate for entrance into such service.

3. The training of those in groups 1 and 2 for the higher positions: technical, professional and administrative.

In the third group—the higher technical, professional and administrative positions—some are elective, some are filled by 'promotion' examinations and others by appointment.

As has been stated above, provision for courses to suit the needs of those seeking promotion are already being given at the College. As an example of how such training may be credited by the City authorities, the following is cited:

Teachers in the city schools who seek promotion, that is the license to teach in the last two years of the elementary schools, must take an examination in the following subjects:

- (a) Some specialty called the major,
- (b) The Science of Education.

But those teachers who present certificates showing that they have successfully completed 60 hours in Education in the Extension Courses at the City College are exempt from the second paper in the Science of Education. They take only one paper in their specialty. Teachers seeking license as Assistant to Principal or Principal and who have no college degree are required to pass certain examinations in academic subjects, but those teachers who have taken 120 hours of Extension work, 60 of which must be taken in one group of subjects and 60 in another, need not take this academic examination although they may not have a college degree.

Teachers of technical subjects like stenography, accounting and manual arts who now hold substitutes' licenses are required to show successful work in the methods of teaching these branches before they are declared eligible for license as regular teacher. These substitute teachers, therefore, take the courses that we offer in the methods of teaching stenography or methods of teaching commercial branches or methods of teaching shopwork in the elementary schools and thus render themselves eligible for their examinations. Most of these people are experts in the various branches, many of them come from the ranks of the craftsmen or the actual clerical workers but lack a knowledge of pedagogy. By coming to our courses they obtain that information which makes them eligible to teach.

The list of 'exempt' positions includes heads of departments, deputy commissioners, secretaries of departments, assistants to corporation counsel, numerous accountants, auditors, examiners, confidential inspectors, various grades of engineers, superintendents and similar positions of high grade.

TABLE 10 contains a summary showing the numbers at each salary in the exempt class.

To train candidates for these positions the College must either broaden out and include work which properly belongs

¹Prof. Klapper, loc. cit.

to a university or technical school or we must co-operate with the existing agencies of this character. Here attention is called to the Training School for Public Service of the Bureau of Municipal Research. This institution exists primarily for the very purpose of training men and women for the higher administrative positions. Columbia and New York Universities and the University of Pennsylvania have arranged to grant credit toward the higher degrees for field work done at this school. The University of Michigan accepts satisfactory work in the Training School as meeting the requirement of practical training toward the degree of A.M. in Municipal Administration. Similar co-operation is suggested for the City College. As a result of conferences with the authorities of the Training School the Committee can report that such co-operation will be welcomed on their part.

It may be desirable for the City College, following the precedent of the University of Michigan, to grant the master's degree in Municipal Administration and allied fields. Certificates in Municipal Engineering, Municipal Chemistry and other technical subjects, granted on the completion of special courses of study, might also be desirable.

V. RECOMMENDATIONS FOR IMMEDIATE ACTION

The Committee makes the following recommendations:

1. That there be appointed at the College a Director of Public Service Training. It shall be the duty of this officer to keep a record of all municipal positions which are open to college students, and the subjects and dates of approaching examinations. He shall also establish at the College in cooperation with the Municipal Civil Service Commission an intelligence office or clearing house for civil service positions, and he shall be prepared to advise students as to the courses and methods to be pursued in preparation for such positions. He shall confer with the civil service commissioners and chief examiners as to the relation between college instruction and

civil service as to examinations, standards, credit for field work and eligibility. The Director of Public Service Training shall also confer with the heads of City departments and bureaus with regard to their needs and the ability of the College to supply them.

(2) That a College Standing Committee on Public Service Training be appointed to co-operate and advise with the Director. Such a Committee should have among its membership representatives of the departments most concerned in the technical training of those who will enter public service.

(3) That the announcements of the several divisions of the College contain a statement of the scope and work of the Com-

mittee on Public Service Training.

(4) That provision be made for co-operation of the College with such unofficial public agencies as the Training School for Public Service and the Bureau of Municipal Research, especially with a view to the possibility of exchange of students, exchange of instructors and exchange of credit.

(5) That the special courses to be recommended and their formal organization be immediately taken up by the Director of Public Service Training with his Committee and all other departments and agencies involved.

VI. CONCLUSION

Finally, the Committee wishes to state its belief that the City College, of all institutions of learning, is in a strategic position to attack the problem of public service training. If this institution fails to undertake this work, democratic education is missing one of its highest functions and one of its truest opportunities. What better return could an institution such as ours give to the City which maintains it than a body of public servants specifically trained for the work they are to perform? The citizens of this municipality naturally look to their College to supply this need. Indeed, the College has frequently been described as a civil West Point.

The College, in turn, feels able and glad to serve the City. And this is said, too, with a full realization that the College has as much to learn from the City Departments as the City Departments have to learn from the College. Certainly nothing but good to all concerned—Citizens, City, Students and College—can accrue from such understanding and such co-operation.

Respectfully submitted, Frederick E. Breithut.

To Prof. Stephen P. Duggan, Chairman, Committee on Municipal Service Survey.

TABLE 2 VOCATIONAL GROUPING OF POSITIONS

GROUP A Telephone Switchboard Demographer Operator Deputy ATTENDANCE, INCLUDING Ticket Chopper Deputy City Paymaster JANITORS, MESSENGERS, Deputy Tax Commis-Warden (except in In) PROCESS SERVERS, TELEsioner PHONE OPERATORS AND Editor GROUP C MISCELLANEOUS POSI-Estimator TIONS IN THE COURTS CLERICAL INCLUDING AC-Examiner (except in L COUNTANTS, BOOKKEEP-Attendant (except as in and SI) ERS, STENOGRAPHERS, Group In) Finger Print Expert COMPUTERS, EXAMINERS Bridge Keeper Interpreter OF ACCOUNTS, AND ALL Bridge Tender Librarian Caretaker POSITIONS NOT INCLUDED Library Assistant IN OTHER GROUPS Court Attendant Office Assistant Crier Abstractor Office Boy Custodian Accountant Page Detective (in Courts) Actuary Pension Expert Door Keeper Adding and Billing Ma-Proof Reader Elevator Attendant chine Operator Purchasing Agent Elevator Despatcher Agent Registrar and Assistant Elevatorman Appraiser Sealer Gate Keeper Assistant to Tax Com- Searcher (except in Le) Guards missioner Secretary and Assistant Ianitor Auditor Secretary Jury Notice Servers Bookkeeper Stationer Keeper (except in In) Book Typewriter Statistician Keeper of Coat Room Cashier Stenographer and Type-Matron (except in In Cataloger writer and I) Chief Examiner and In- Steward (except in In Messenger dexer of Records and N) Monitor Chief Clerk Storekeeper and Helper Orderly (except in In) Clerks Supervising Statistician Prison Guard Comparer and Examiner Probation Officer Computer Tabulating Machine Op-Process Server Computer of Assessments erator Sergeant of Arms Copyist Tabulator Telephone Operator and Curator Ticket Agent Statistician Curator and Auditor Time Keeper

GROUP La Deputy Chief Typist Engineer of Steamers Typewriter LABOR, POSITIONS USUALLY Warehouse Custodian Fireman CLASSIFIED IN THE LABOR Lieutenant Verifiers SCHEDULES Marine Engineer Medical Examiner Armorer GROUP E Bell Ringer Pilot Cleaners ENGINEERING (INCLUDING Climber and Pruner GROUP In DRAUGHTSMAN, ETC.) IN Coal Passer CIVIL, ARCHITECTURAL, INSTITUTIONAL INCLUDING Coal Sampler MECHANICAL AND ELEC-POSITIONS OF A MISCEL- Disinfector TRICAL POSITIONS LANEOUS CHARACTER IN Driver (except in SC) Architect VARIOUS CITY INSTITU- Fireman (except in F) Architectural Designer Helper (except in ST and Assistant Engineer De-In) Attendant signer Hostler (except SC) Baker Axeman Laborer (except SC) Bandmaster Chairman Laundress (except in In) Barber Chainman and Rodman Oiler (except in N) Butcher Consultant Paver Caretaker Designer Porter Cook Draughtsman Rammer Cutter Engineer and Assistant Sewer Cleaner Dairyman Engineer Sounder Domestic Engineer Designer Stableman (except in SC) Egg Candler Hydrographer Stoker (except in N) Employment Agent Leveler Toolman Farmer Rodman Waitress (except in In) Gardener Surveyor Watchman Gateman Surveyor and Draughts-Helper man GROUP Le Hospital Transitman Housekeeper LEGAL, INCLUDING ALL Transitman and Com-Keeper LEGAL POSITIONS OF A puter Laundryman or Laun-PROFESSIONAL AND SEMIdress PROFESSIONAL NATURE Matron GROUP F Corporation Assistant Orderly FIRE DEPARTMENT UNI-Counsel Prison Guard Assistant District Attor-FORMED FORCE Seamstress Shoemaker ney Captain Counsel and Assistant Chief of Battalion Steward

Counsel

Deputy Assistant Cor-

poration Counsel

Chief of Construction and Tailor

Chief of Department

Repairer of Apparatus Waitress

Warden

Harness Maker GROUP N Examiner (except in C) Hostler Franchise Assistant FERRY SERVICE, INCLUD-Franchise Searcher Inspectors ING ALL POSITIONS OF A Laborer (Queens and Iunior Assistant Cor-NAUTICAL CHARACTER Richmond) poration Counsel Boatman Station Keeper Law Assistant Cantain Stableman Law Clerk Deckhand Superintendent and As-Searcher Divers and Tenders sistant Searcher and Examiner Dock Master Sweeper Title Examiner Marine Engineer Transfer Tax Assistant Marine Engineman GROUP SI Marine Sounder Mate SUPERINTENDENCE AND IN-GROUP M Pilot SPECTION, INCLUDING MEDICAL, INCLUDING NURS- Ouartermaster INSPECTORS, FOREMEN, ING AND LABORATORY Scowman SUPERINTENDENTS AND Steward SIMILAR POSITIONS POSITIONS Stoker Acting Chief of Furniture Alienists Water Tender Division Apothecary Yeoman Assistant Chief Deputy Bacteriologist Diagof Real Estate Bacteriological GROUP P Assistant Chief of Saninostician tary Division POLICE UNIFORMED FORCE Chemist Chief Deputy of Real Dentist Boiler Inspector Estate Dietitian Captain Chief Deputy of Personal Director of Laboratory Chief Lineman Estate Interne Inspector Chief Examiner and In-Laboratory Assistant Lieutenant dexer of Records Medical Examiner Lineman Chief Executive Officer Medical Inspector Matron Medical Superintendent Chief of Bertillon Sys-Patrolman Nurse and Nurse's Assisttem Surgeon Chief of Bureau Superintendent of Teleants Chief of Division Obstetrician graph Chief of Division of Lic-Pathologist Sergeant ensed Vehicles Pharmacist Deputy Director Physician GROUP SC Deputy Superintendent Psychologist STREET CLEANING SERVICE, of Markets Radiographer UNIFORMED FORCE Director and Assistant Surgeon Directors (except edu-Veterinarian Boardman Driver cation and parks) Veterinary Surgeon Foreman and Assistant Examiners (except in cler-X-Ray Assistant ical group) Foreman

X-Ray Electrician

Expert Investigators Dock Builder Plasterer Driller Plumber and Plumber's Fire Telegraph Expert Fire Marshall Electrician Helper Foreman and Assistant Elevator Constructors Pressman and Helpers Printer Foreman (except SC) Engineer Repairer Inspector Investigator Engineer and Janitor Rigger Overseer Engineman Riveter Superintendent Expert Blue Printers Roofer Superintendent of Con-Rubber Tire Repairer Feeder Fire Telegraph Expert Rustic Worker struction Superintendent of Tele- Flagger Sawfiler Forester Sawver graph Supervisor and Deputy Gardener (except in In) Seamstress (except in In) Gas Meter Tester Steamfitter and Helper Supervisor Stonecutter Visitor Gasfitter Gasmaker Tapper Telegraph Operator Glazier GROUP ST Harness Maker Tinner SKILLED TRADES AND OC- Hoist Operator Tinsmith CUPATIONS Horseshoer Upholsterer Hose Repairer Valveman Aboriculturist Housesmith Varnisher Automobile Driver Wheelwright Instrument Maker Automobile Engineman Lamp Maker Wireman Automobile Machinist Wood Sawyer Letterer Batteryman Lineman Blaster GROUP T Lineman-Electrician Blacksmith and Black-Machine Woodworker TEACHING STAFF smith's Helpers Machinist and Machin- Attendance Officer Boilermaker Bookbinder ist's Helper Director Mason and Mason's Drill Master Brass Finisher Helper Head of Annex Bricklayer Marble Setter Head of Department Cabinet Maker Mechanic and Mechanic's Instructor Cable Splicer Helper Cable Tester Lecturer Carpenter Mechanician Principal and Assistant Moulder Principal Carriage Trimmer Caulker Nickel Plater Professor Nurseryman Professor and Librarian Cement Tester Painter Superintendants Chauffeur Compositor Patternmaker Supervisor Photographer Teacher Cook (except in In) Pipe-fitter and Pipe- Teacher (Special) Coremaker Designer fitter's Helper Tutor

Deputy Sheriff GROUP X City Magistrate District Attorney City Paymaster EXECUTIVE, ELECTED OFFI-Collector of Assessments Entomologist CERS: HEADS OF DEPART-Tustices and Arrears MENTS OR OF DISTRICT Collector of City Rev- Marshall OFFICES, BOARDS OR COMenues and Superinten- Mayor MISSIONERS AND THEIR dent of Public Markets Members SECRETARIES AND EX- Commissioner Minister of Religion ECUTIVE DEPUTIES OR Comptroller Official Referee ASSISTANTS; CHAPLAINS Coroner President Presiding Justice Corporation Counsel Aldermen Public Administrator Assistant Commissioner County Clerk Real Estate Expert Assistant Public Admin- County Judge Deputy Receiver of Taxes istrator Deputy Chamberlain Assistant to President Register Deputy City Clerk Sheriff Auctioneer Deputy Collector of City Surrogate Chairman Under Sheriff Revenue Chamberlain Deputy Commissioner Vice Chairman, Board of Chaplain Deputy Comptroller Aldermen Chief City Magistrate Deputy County Clerk Water Register Chief Justice City Clerk Deputy Register

TABLE 4

EMPLOYEES-CITY OF NEW YORK

DECEMBER 31, 1914

VOCATION	NUMBER	VOCATION NUMBER
Attendance	. 3,042	Nautical and Ferry 584
Clerical and General	. 6,986	Uniformed Police Force 10,861
Engineering and Architectural	. 3,008	Uniformed Street Cleaning Force 5,901
Uniformed Fire Force	. 5,014	Superintendence and Inspection. 3,547
Institutional Positions	. 4,279	Skilled Trades and Occupation 3,388
Labor	. 8,440	Teaching Staff
Legal	. 322	Executive 775
Medical and Nursing		Total

Departments	A	C	E	F	In	La	Le	M	N	P	S.C.	S.I.	S.T.	T	X	Dep't Total
Finance	32	788	17			6						51	6		24	
Law	53	247	- 6												2	476
Estimate and Apportionment	2	182	51									9	1		8	282
Aldermen and City Clerk	14	49	**::::												83	
Education	559		101					15				138	78	27,189	3	
Hunter College		13				1		6					1	174	5	200
City College	27	20 159	70			26		3					18		3	347
Docks and Ferries	229	159				705			487			99	682		7	2,236
	229	52 253	63			72						61	460		5	942
Taxes and Ass't	19	127	24				8					3	. 2		9	304
Dept. of W. S.	35	127	308			89		.2				94	38		9	894
Tenement House	12	534 358				1,327						540	450		13	
Civil Service	197											254	1		6	632
Parks	227		:			W 222		1				52			. 5	
Correction	227		41		408	1,527						105	334		10	
Charities	9	137						13				5				
Bellevue and Allied Hosp	1 3	58				80		455				134	114		15	
Health	34					2		539				17	63		9	1,706
St. Cleaning	22	390 74						1,438	12				55		7	3,231
Fire	10	87		5.014		:		12			5,187	1	189		0	5,495
Police	3											116			. 7	5,523
Executive	1 3	28				128		1		10,654		2			20	
City Chamberlain	1 4	19										21	1		70	
Commissioner of Accounts		85													3	23
Board of City Record		26						****				1 8			1	107
Armory Board		20										1 3	1		1	34
National Guard		3										5			1	11
Court House Bd	24		;										48			354
Public Recreation Commission		1	4												7	10
Sinking Fund Commission		4				,								/	1	16
Art Commission		4														2
Board of Assessors		4														15
Board of Elections	1 '	42													4	52
Licenses		26		11111											3	
Coroners	1	32														106 55
Board of Inebriety	1 1	32													11	35
Examing B'd of Plumbers		1 2														2
Board of Examiners	1	1 2														
Board of Ambulance Service	1	2													/	11
Board of Parole					1							1 1				4
Public Service Commission	11	312	1,32				1 10					1		:	12	2.135
President, Manhattan	333		1,32			1 02	0	1:				372				
President, Bronx	16					1,03		1.				. 367			9	
President, Brooklyn	149					1.07						199				
- resident, Diovaly II	145	120	184			1,07	4					313	58		1	1,912
	*	A				A.	1	1	1		A	1				

Departments	A	c	E	F	In	La .	Le	M	N	P	s.c.	20121	S.T.	T	-	Dept. Total
D. oldona Ousses	46	83	207			227 .		2 .			488	222			7	1,348
President, Queens	10	45				212					226	56	16		51	624 438
Supreme Court	164	203				17.							3		7	114
General Sessions	64														16	160
Special Sessions	85	58				1.									12	78 C
City Court	25	41													38	405 0
City Magistrates	187	178											2		45	
Municipal Courts	117	161 .													43	14
County Court, Bronx County	6	6													4	323 14 56 15
County Court, Kings County	26	24				2 .									3	15 5
County Court, Queens County	- 8	6										;			4	116
Surrogates Court, N. Y. County	10	86					10					4	4		7	
Surrogates Court, Bronx County	2	10													1	
Surrogates Court, Kings County	9	30				4									1	45 E
Surrogates Court, Queens County	1	10													- 1	
Surrogates Court, Richmond County	i	4				1.									- 2	108
County Clerk, N. Y. County	6	84				7						1	- 4		3	33 2
County Clerk, Bronx County	3	25			1		2								3	
County Clerk, Kings County	3	37				12	3								7	01 P
County Clerk, Queens County	5	61	3			4							,		2	12 ⊂
County Clerk, Richmond County	1	8													2	182 2
District Attorney, N. Y. County	70	61													2	36
District Attorney, Bronx County	12	14					8								2	50
District Attorney, Kings County	21	14										* * * * * *			- 1	
District Attorney, Queens County	-3	4													1	6 3
District Attorney, Richmond County.		4													2	20 1
Commissioner of Jurors, N. Y. County	10	15													3	10
Commissioner of Jurors, Bronx Co	4	3							• • • •						3	24 t
Commissioner of Jurors, Kings County	12	9													3	7 5
Commissioner of Jurors, Queens Co	1	4													2	
Commissioner of Jurors, Richmond Co.		1													. 5	11 2
Public Administra'r. N. Y. County		9													1	
Public Administra'r, Bronx County		2										1 *			î	5 6
Public Administra'r, Kings County		3												1 : : : : :	î	1
Public Administra'r, Queens County															î	î
Public Administra'r, Richmond County														3	7	187 (
Register's Office, N. Y. County	16	142	8			4	5					1 1	1	1	5	63
Register's Office, Bronx County	5	48				10	1						1		5	156
Register's Office, Kings County	9	130												6	33	
Sheriff's Office, N. Y. County	20	18				6	2	1						2	19	
Sheriff's Office, Bronx County	20	8				4	1							2	18	45
Sheriff's Office, Kings County	15	7				2	1						1		14	
Sheriff's Office, Queens County	4	6					1							i	1 3	0
Sheriff's Office, Richmond County	2	2					1					1	4	4	2	80
Comm'r of Records, N. Y. County		42				28						1	3	3	2	51
Comm'r of Records, Kings County	1	33	2						1						_	-
	-				. 076	0.440	200	2 563		4 10 96	1 5 00	1 3 54	7 3.35	88 27.68	775	Grand Total
Totals	3,042	6,986	3,008	5,014	4,275	8,440	322	2,30	30	10,00	3,90	,,,,,	1	1		86,397

 $TABLE\ 5$ female employees in the service of the city of new york and counties embraced therein—december $31,\ 1914$

DEPARTMENT	Cle	- Irkeen	licia	Librarian	Clerk and Stenographer	Iosp	Stenographer	Typewriter Copyist	Tabulating Mach. Oper.	Proof Reader	Telephone Operator—	Telephone Operator	Searcher	Secretary	Inspector	Examiner	Trained Number	Demoi pamer	Pupil Nurse	Supt. of Training School	Other Supt	Director	Commissioner	Psychologist	Laboratory Assistant	Junior Engineer	Minister of Religion	Teacher	Probation Off	Gymnasium Instructor	Gymnasium Attendant	Cottage & Bath Attendant	(Other) Attendant	Creaner	Housekeeper	Dietitian	Cook	Domestic	Scametrees	Orderly	Hospital Helper	Helper	Trade Instructor	Attendance Officer	Total	
Mayor's Office, Bureau of Vicility and Measures Bureau of Vicility and Measures Dept, of Finance. Let of Finan	1111	115 128 28 21 22 22 5	1	i .	1		30 74 74 27 1 1 2 1 1 2 1 1 3 3 1 1 1 1 1 1 1 1 1 1	21 10 1 1 1 1 1 1 29				37711111111111111111111111111111111111	3.	1															2	2				1			1.								11	3 2 4 2 1 8 9

(EXCEPT EMPLOYEES IN DEPARTMENT OF EDUCATION—TEACHING STAFF)

DEPARTMENT	Clerk	Bookkeeper	Librarian	Clerk and Stenographer	ldso	Typewriter Convist	Tabulating Mach. Oper.	Comparer Proof Reader	Telephone Operator— Statistician	Telephone Operator	Searcher	Secretary	Inspector	Examiner Supervising Numa	Tesland Number		Pupil Nurse	Supt. of Training School	0	Director	Bacteriologist	Psychologist	Laboratory Assistant	Junior Engineer	Minister of Religion	Teacher	Deshation Officer	Detective	Gymnasium Instructor	Gymnasium Attendant	(Other) Attendant	Cleaner	Janitress	Dietitian	Cook	Domestic	Seamstress	Orderly	Hospital Helper	Helper	Trade Instructor	Attendance Officer	Total
chmond County		11	11				11					1	Т	П	Τ.				Ш		M.C						2 .		1.1]	٠	1	:::		اد.ا.					1
Sheriff and Allied Hosp	la la c		:1::1		13	7	2		1::					::	2	229 2	69	3 .	5				4.								1			7 2	7	• • • •	1	. 2	40	9::	::::		
Dept. of Docks and Ferries		3	11.1			4				1 4				::::							dia							:::			1	7 -						:::				4.4	
Dept. of Bridges		9	101	• • • •		4	1:1:		1::					::::						:::::	300	1001		1	100								11				· - -	4-4				111	1
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City Magistrates, 2nd Div. City Magistrates, 2nd Div. ard of Water Supply, Gas and Elect nement House Dept	111	4 1	111			55	9		1 ::	1 1			i 2												10.								1.4				···	111	• • • •				-
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Manhattan and Richmond The Bronx Brooklyn Queens re Department bilic Service Commission ept. of Correction. ept. of Public Charities	1.1	6		1::1:	15	47	65		:1:				4	8		794	29	1		4	1	4	. 37		1	١	3					• • •	52		• • •	. 340	1	1.	1 ::	0	1::	::::	
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ept. of Edu. (except Teaching Staff)	19	1 1		1	65	12	1	-1 -		•	• •		5			-	1		1		-			٠,		_		_	-	-			_	_		-					-	-
Totals				100	3 20			3	2	1 6	2 2	3	06	0.50	20 1	,189	404	1 7	14	R 6	1 1	4	1 41	- 1	11 3	113	112	41	1 3	40	71 2	174	001	5 1 0	151	834	ol 7	23	111,5	0/0	1 2	1/2	22

TABLE 6 NUMBERS AND SALARIES OF CERTAIN TYPICAL POSITIONS

DEC. 31, 1914

Position and Number	At Salary of	Total Salaries	Position and Number	At Salary of	Total Salaries
Accountants	1		Axemen		
1	\$6,000,00	\$6,000,00	9	\$1,050.00	\$9,540.00
3	4,000.00	12,000.00	95	900.00	85,500.00
4	3,500.00	14,000,00	10	840.00	8,400,00
8	3,000,00	24.000.00	9	780.00	7,020.00
4	2,700.00	10,800.00	4	720.00	2,880.00
5	2,500.00	12,500.00			A442.050.00
1	2,401.00	2,401.00	127		\$113,250.00
35	2,400.00	84,000.00	Chemists		
4	2,250.00	9,000.00			
20	2,100.00	42,000.00	1	\$3,500.00	\$3,500.00
3	2,000.00	6,000.00	1	3,300.00	3,300.00
3	1,950.00	5,850.00	4	2,700.00	10,800.00
3	1,801.00	5,403.00	1	2,550.00	2,550.00
9	1,800.00	16,200.00	1	2,500.00	2,500.00
4	1,650.00	6,600.00	7	2,100.00	14,700.00
6	1,500,00	9,000.00	18	1,800.00	32,400.00
1	1,350.00	1,350.00	13	1,500.00	19,500.00
9	1,201.00	10,809.00	2	1,440.00	2,880.00
5	1,200.00	6,000.00	1	1,350.00	1,350.0
1	1,050.00	1,050.00	10	1,201.00	12,010.00
4	900.00	3,600.00	21	1,200.00	25,200.00
133		\$288,563.00	1 1	900.00	1,000.00
Auditors			82	700.00	\$132,590.00
3	\$6,000.00	\$18,000.00	02		
1	5,500.00	5,500.00			
2	5,000.00	10,000.00	Draughtsmen		
1	4,750.00	4,750.00	2	\$3,000.00	\$6,000.00
1	4,500.00	4,500.00	2	2,616.67	5,233.3
1	4,200.00	4,200.00	ī	2,400.00	2,400.00
5	4,000.00	20,000.00	7	2,355.00	16,485.00
1	3,600.00	3,600.00	i	2,250.00	2,250.0
4	3,500.00	14,000.00	2	2,224.17	4,448.3
19	3,000.00	57,000.00	13	2,100.00	27,300.00
1	2,860.00	2,860.00	6	2,093.33	12,559.9
1	2,800.00	2,800.00	21	2,000.00	42,000.0
1	2,700.00	2,700.00	1	1,962.50	1,962.5
1	2,600.00	2,600.00	7	1,950.00	13,650.0
2	2,500.00	5,000.00	47	1,831.67	86,088.49
1	2,250.00	2,250.00	1	1,831.00	1,831.0
1	2,100.00	2,100.00	110	1,800.00	198,000.0
1	2,000.00	2,000.00	3	1,788.00	5,364.0
1	1,500.00	1,500.00	4	1,750.00	7,000.0
1	1,350.00	1,350.00	71	1,650.00	117,150.0
49		\$166,710,00	8	1,600.00	12,800.0

Position and Number	At Salary of	Total Salaries	Position and Number	At Salary of	Total Salaries
	1,570.00	6,280.00	10	2,550,00	25,500.00
4 28	1,501.00	42,028,00	14	2,500.00	35,000.00
	1,500.00	169,500.00	62	2,400.00	148,800.00
113 3	1,439.19	4,317.57	8	2,388.00	19,104.00
62	1,350.00	83,700.00	40	2,250.00	90,000.0
3	1,308.33	3,924.99	3	2,200.00	6,600.0
129	1,201.00	154,929.00	104	2,100.00	218,400.0
45	1,200.00	54,000.00	22	2,000,00	44,000.0
22	1,050.00	23,100.00	38	1,950.00	74,100.0
1	1,046.67	1,046.67	4	1,801.00	7,204.0
1	1,000.00	1,000.00	135	1,800.00	243,000.0
9	915.83	8,242.47	10	1,788.00	17,880.0
	901.00	163,081.00	2	1,750.00	3,500.0
181	900.00	26,100.00	80	1,650.00	132,000.0
29	721.00	721.00	118	1,501.00	177,118.0
1	721.00	721.00	24	1,500.00	36,000.0
		\$1,304,493.35	43	1,350.00	58,050.0
938		\$1,304,493.33	137	1,201.00	164,537.0
			73	1,080.00	78,840.0
Engineers1					
1	\$20,000.00	\$20,000.00	1186	1	\$2,691,899.0
î	16,000.00	16,000.00			
2	12,000,00	24,000.00	Examiners2		
6	10,000,00	60,000.00	6	\$6,000.00	\$36,000.0
2	9,000.00	18,000.00	2	5,000.00	10,000.0
î	8,000.00	8,000.00	2	4,500.00	9,000.0
7	7,500.00	52,500.00	1	4,200.00	4,200.
3	7,200.00	21,600.00	5	4,000.00	20,000.0
7	7,000.00	49,000.00	10	3,500.00	35,000.
2	6,500.00	13,000.00	14	3,000.00	42,000.
13	6,000.00	78,000.00	. 1	2,850.00	2,850.
1	5,500.00	5,500.00	2	2,750.00	5,500.
19	5,000,00	95,000.00	3	2,700.00	8,100.
1	4,800.00	4,800,00	2	2,550.00	5,100
12	4,500.00	54,000.00	4	2,500.00	10,000.
1	4,300.00	4,300.00	18	2,400.00	43,200.
5	4.200.00	21,000.00	2	2,250.00	4,500.
34	4,000,00	136,000.00	17	2,100.00	35,700.
13	3,750.00	48,750.00	5	2,000.00	10,000.
4	3,600.00	14,400.00	4	1,950.00	7,800.
7	3,500.00	24,500.00	2	1,900.00	3,800.
16	3,300.00	52,800.00	17	1,800.00	30,600.
2	3,250,00	6,500.00	2	1,700.00	3,400.
56	3,000.00	168,000,00	1	1,680.00	1,680.
3	2,850.00	8,550.00	12	1,650.00	19,800.
3	2,750.00	8,250.00	50	1,500.00	75,000.
36	2,700.00	97,200.00	9	1,350.00	12,150.
					153,600

¹ 1 at \$100.00 a day, 1 at \$10.00 a day, and 6 at no salary, not counted in total. ¹ 17 at \$10.00 a day, 1 at \$6.00 a day, 1 at \$5.00 a day, 3 at \$5.00 a session, and 1 at \$4.80 a day, not counted in total.

Position and Number	At Salary of	Total Salaries	Position and Number	At Salary of	Total Salaries
5	1,050.00	5,250.00	Investigators		
1	1,000.00	1,000.00	1	\$3,000,00	\$3,000.00
325		\$595,230,00	î	2,000,00	2,000.00
323		\$393,230.00	15	1,500.00	22,500.00
			3	1,200.00	3,600.00
Inspectors1			2	900.00	1,800.00
2	\$4,500.00	\$9,000.00		-	
2	4,000.00	8,000.00	22		\$32,900.00
13	3,000.00	39,000.00		1	
1	2,860.00	2,860.00		1	
1	2,800.00	2,800.00	Laboratory		
1	2,600.00	2,600.00	Assistants ²	1	
10	2,550.00	25,500.00	1	\$1,200.00	\$1,200.00
5	2,500.00	12,500.00	î	1.150.00	1,150.00
11	2,400.00	26,400.00	2	1.100.00	2,200.00
13	2,355.00	30,615.00	4	1.050.00	4,200.00
15	2,250.00	33,750.00	i	1,000.00	1,000.00
2	2,198.00	4,396.00	î	950.00	950.00
2	2,150.00	4,300.00	25	900.00	22,500.00
12	2,100.00	25,200.00	26	750.00	19,500.00
18	2,093.33	37,679.94	1	650.00	650.00
12	2,000.00	24,000.00	43	600.00	25.800.00
3	1,950.00	5,850.00	1	480.00	480.00
47	1,884.00	88,548.00			
1	1,801.00	1,801.00	106		\$79,630.00
125	1,800.00	225,000.00		1 1.	•
1	1,750.00	1,750.00			
12	1,727.00	20,724.00	Rodmen and	1	
1 51	1,700.00	1,700.00	Chainmen		
	1,650.00	84,150.00	1	\$3,500.00	\$3,500.00
9	1,570.00	14,130.00	i	1,500.00	1,500.00
	1,501.00	10,507.00	22	1,350.00	29,700.00
539 156	1,500.00	808,500.00	66	1,200.00	79,200.00
2	1,350.00	210,600.00	15	1,080.00	16,200,00
8		10,016.00	61	1,050.00	64.050.0
1,139	1,252.00	1,366,800.00	41	960.00	39,360,0
3	1,200.00	3,420.00	19	900.00	17,100.0
146	1,140.00	160,600.00			
5	1,080.00	5,400.00	226	1	\$250,610.0
6	1,020.00	6,120.00			
41	1,000.00	41,000.00		1 1	
3	901.00	2,703.00	Sealers		
45	900.00	40,500.00	1	\$1,900.00	\$1,900.0
2	750.00	1,500.00	î	1,700.00	1,700.0
14	600.00	8,400.00	8	1,500.00	12,000.0
2,486		\$3,410,919,94	10		\$15,600.0

¹ 30 at \$5.00 a day, 19 at \$4.93 a day, 3 at \$4.80 a day, 62 at \$4.50 a day, and 91 at \$4.00 a day not counted in total.
² 1 at \$2.00 a day, 2 at \$.75 a day, and 4 at no salary, not counted in total.

Position and Number	At Salary of	Total Salaries	Position and Number	At Salary of	Total Salaries
Searchers			1	1,650.00	1,650.00
	\$2,400.00	\$2,400,00	1	1,501.00	1,501.00
•	2,100.00	2,100.00	3	1,201.00	3,603.00
3	2,000.00	6,000.00	3	1,200.00	3,600.00
2	1,800.00	3,600.00	21	1,080.00	22,680.00
13	1,500.00	19,500.00			
2	1,400.00	2,800.00	31		\$37,534.00
4	1,350.00	5,400.00			
8	1,200.00	9,600.00			
7	1.050.00	7,350.00	Transilmen		
1	900.00	900.00	38	\$1,800.00	\$68,400.00
			43	1,650.00	70,950.00
42		\$59,650.00	45	1,500.00	67,500.00
	1		20	1,350.00	27,000.0
			10	1,200.00	12,000.0
Testers			1	1,050.00	1,050.0
1	\$2,700.00 1,800.00	\$2,700.00 1,800.00	157		\$246,900.0

 $\begin{tabular}{ll} TABLE & 7 \\ \hline $APPOINTMENTS$ MADE FROM COMPETITIVE ELIGIBLE LISTS, $1908-1915$ \\ \hline \end{tabular}$

POSITION			NUM	IBER	APPOI	NTED			138
POSITION	1908	1909	1910	1911	1912	1913	1914	1915	ž=
*Accountant (all grades)			1	4	24	13	7	5	1
Adding and Billing Machine Operator, Grade 2, (Female)					7				
Adding and Billing Machine Operator, Grade 2,		3			2		50.00		1
(Male) Alienists					í	1	1		
Arboriculturists					1	2			
*Architectural Designer (all grades) *Architectural Draftsman (all grades)				2	10	1			
Assistant Alienists (all grades)			1	ĩ	10		1		1 1
Assistant Chemist			1118	1	1	3			
Assistant Court Clerk, Civil (all grades) Assistant Court Clerk, Criminal (all grades and					1	3			
Boroughs)		6	8	2	1				
*Assistant Director, Bacteriological Laboratory *Assistant Director of School Farms (Male)					2		2		
Assistant Electrical Engineers (all grades)				3	4	3			
*Assistant Engineers (all grades)	1	55	53	11	8	8	3		1.
Assistant Fire Marshal *Assistant Inspector of Combustibles, grade 2	1	2			12	3	1		
*Assistant Mechanical Engineer, grade 2					1	Ĭ	10.0		
Assistant Pharmacist Assistant Registrar of Records, grade 5					١,	1	3		
Assistant Superintendents of Docks				1	î				
Assistant Superintendent of Parks						1			1
*Attendance Officer *Attendance Officer (Female)			1	5		8			
Attendance Officer (Male)	10		14		8	66	11		10
Attendant Attendant (Female) (all grades)	49	9	6				20		3
Attendant (Male) (all grades)	55	27	47			3	35		10
Automobile Engineman					14	16	5		3
Auto Truck Driver *Axeman (all grades)		26	51	23	24	6	3		1.2
Bacteriologist (all grades)	3	2		1	13	5			1 3
Band Master				1	2		3		
Bookbinder Bookkeeper (all grades)	13	6	31	2	25	21	8		10
Bridge Keeper	1		1				N I		
Building Inspector, Masonry and Carpentry Cable Tester	4			3	2	1	1		
Cataloguer	2		1	,	1	Î	1		1
Cataloguer (Female)		2	2	5	1		1		
Chemist Chemist, Asphalt, Jr.		2	4	,	1		5	1	1
Chemist and Bacteriologist							3		
Chemist, Fuel Engineering			/	3	1	4	11	1	
Chemist, Health				1	1	1	1		1
Chemist, Junior						1			
*Chemist, Knowledge of Sewage Disposal Meth- ods							1		1
*Chief Examiner, Fire Prevention						1	1		1
Chief Veterinarian Civil Service Examiner	3	1	1						1
*Civil Service Examiner Engineering	1	1			2				1
*Civil Service Examiner (Female)						1	3		1
*Civil Service Examiner (Male) Clerk (Female) (all grades)					4	3			1
Clerk (all grades)	l	122		289	4		-		4
Clerk (Male) (all grades) Coroner's Physician	47		62		309	161	392		9
Court Attendant	45	1			38	26	24		2
*Court Stenographer (all grades and Boroughs)	26	5	8	5	6	3	13	1	

			NUM	BER	APPOI	TED			14.84
POSITION	1908	1909	1910	1911	1912	1913	1914	1915	585
Custodian		1			1			9	17
Dentist, grade 2 *Deputy Commissioner, Taxes and Assessments (all Boroughs)			10	20			17		30
Deputy Director of Ambulance Service	1				1				1
*Deputy Inspector of Weights and Measures Deputy Medical Superintendent Deputy Superintendent of Hospitals		1	1		1 2 1	2	,		5 4 16
*Deputy Tax Commissioners *Dietitian	12	6	4	2	4				16 28
Disinfector			25		1 3	2	2		28
Dockmaster Dockman grade 1		4	1 '		2		2		22 2 20
Doorman, grade 1 Doorman, Police Department			10	10					20
Draughtsman's Helper (changed to Junior				1					4
Draftsman) *Electrical Engineer	1	O P		1					î
*Electrical Inspector		1	1		6	12	3		27
*Electrician *Electrician, X-Ray	1	1	i		1 3				1
*Engineer Inspector (all grades)	33				7	31	9	9	47 33
Engineer of Steamer (Fire Department) Estimator	33				5	2		1	37
Examiner			1	1.3					1 .1
*Examiner of Charitable Institutions Examiner of Charitable Institutions (Female)				13	4	16	. 4		13 28
*Examiner Charitable Institutions (Male)	1	3	1	1	4	-6			20
*Examiner of Civil Engineering, Civil Service							1 2		2
Commission *Examiner, Law Department				1		18			19
*Examiner, Law Department Examining Physician Financial Clerk (all grades)	12	12		1 3	2	2		1	24
Financial Clerk (all grades) Finger Print Expert	1	1			1	,	1 2		9
Fireman	236	228	13	8 23	7 121	759	180)	1,899
Fireman, Borough of Queens Foreman (all grades)	1 8			l .	3	,		3	14
Gardener	24		1 3	8	4 7	10	13	3	72
Gas Engineman *Gas Inspector	1				1			1	10
Gateman (from Searcher's List)	1	1	1 :	2	1		1		10 2 2 6
General Medical Superintendent				1	1	1	1		2
Gymnasium Attendant (Female)	1	1				1.			13
Gymnasium Attendant (Female) Gymnasium Attendant (Male) (all grades)	1	1			١.	2		4	3.3
Head School Farm Attendant Hospital Clerk					3 3		1		4 3
Hospital Clerk (Female) (all grades)			6	2 7	2		3	2	
Hospital Clerk (Male) *Inspector, Board of Water Supply (all grades)		5	4 9	4 4	9 43		2 2	2	25 262
*Inspector of Blasting (all grades)	1	1		1	4 2		1	1	7
*Inspector of Buildings *Inspector, Bureau of Fire Prevention, Grade 2					2				2
(Female)							1	3	3
*Inspector, Bureau of Fire Prevention (Male)					7	4	1	75
(all grades) Inspector of Carpentry and Masonry	1	1	1	1 2	4 23	3	4	6	88
*Inspector of Electrical Conductors (all grades)		1 3	6	7 1	0 10		5	1 2	43 26
*Inspector of Elevators (all grades) *Inspector of Filter Plants	1	1	0	3	2 (S	4	2	1 20
*Inspector of Fire Alarm, Telegraph Bureau, Grade 2			п			3			3
*Inspector of Foods (all grades)	1 -	2	3	1		1		5	31
*Inspector of Foods, Milk, City Service *Inspector of Foods, Milk, Country Service	2	0 1	3	3	1 3	2		2	12
*Inspector of Fuel (from Supplies and Repairs						1			1
List) *Inspector of Hydrants and Stop cocks, etc.		1	2	2		1			2 3
· mapector or rivurants and Stop cocks, etc.		1	-				1	1	1

	1		NUM	BER	APPOL	NTED			뉳&~
POSITIONS	1908	1909	1910	1911	1912	1913	1914	1915	585
Inspector of Incumbrances	3							9	
Inspector of Iron and Steel Construction, Grade2	,			II.JI	2	2	2	,	
nepector, with knowledge of printing	Ш.			100	1				
Inspector of Lamps and Gas	2			3					
Inspector of Lamps and Gas Inspector of Licenses Inspector of Licenses (Male) Inspector of Light and Power	2			3					
Inspector of Light and Power	6	3	8	8	11	1	6		4
	2	100		10					1
Inspector of Meters and Water Construction Inspector of Pipes and Castings (all grades)	57	10	62	52	10	6	24		22
Inspector of Pipes and Castings (all grades)	1		1				*		
nspector of Pipe laying, Pipes and Hydrants, Grade 2				u in	10				1
nspector of Plastering, Grade 2					12	3			1
nspector of Plumbing (all grades)	7	4	2	3	1		10		2
Inspector of Public Works (all grades)	M. I	0.11			1	33			3
nspector of Regulating, Grading and Paving (all	2	26		17	19	16			8
grades) Inspector of Repairs and Supplies (all grades)	4	12	3	1,	19	10	3		ů
Inspector of Sewer Construction (all grades)	11.12	**	4	22		10	1	Y 3	3
Inspector of Steel Construction, Grade 2					1				
nspector of Taxicabs (all grades)	71.15		8			26	3		3
Inspector of Tenements (all grades)	16	8	1	15 16	2	25	6		7
Inspector of Weights and Measures nstrument-maker, Fire Department			1	1	1	- 4			•
Instructor of Electrical Work (from Light and	ш		•	1					
Power List)			1	11.13				V.	
Instructor in Electricity					1		1		
Instructor, Physical, Gymnasium				1	1				
Instructor in Printing Instructor in Woodworking and Carpentry	11111			2					
Interpreter	1 12			î					
	2			1 7			1		
Interpreter, German, French and Hungarian	111		1						
Interpreter, German, French and Hungarian Interpreter, German, French and Spanish Interpreter, German, Italian and French			1						
Interpreter, German, Italian and French			2						
Interpreter, German, Italian, French and Yid- dish			3						
Interpreter, German, Italian, Polish, Slavish,			1	D 12					
Interpreter, German, Italian, Polish, Slavish, Interpreter, German, Russian and Polish Interpreter, German, Russian, Polish and Yid-				111 19	1	1			
Interpreter, German, Russian, Polish and Yid-									
dish Common Burnian and Viddish	11 12		1	100	1	1	1		
Interpreter, German, Russian and Yiddish				U 16	1	î	1		
Interpreter, German, Yiddish and Hungarian Interpreter, Italian	4			11115	1	7			
Interpreter, Italian (Calabrian, Sicilian and	17								
Neapolitan)					4	2	2		
Interpreter, Italian, French, Greek and Spanish	0.10		1				1		
Interpreter, Italian, French and Spanish Interpreter, Italian, French and Yiddish			î			- 1	1		
Interpreter, Russian	1		1	(III)					
Interpreter, Russian, Polish and Yiddish			1		2	- 1	1		
Interpreter, Yiddish	2		2			- 1			
Interpreter, Yiddish, Slavish and Bohemian	11/1		1		2				
Investigator anitor			2	5	1	1			
anitor, Engineer		24	32	10	2	- 7	12	1	
anitor and Stationary Engineer	27	100		Y III					4
anitor, Steam Heating Junior Architectural Draftsman, Grade B	11			J. 17	2	20	12		4
Junior Architectural Draftsman, Grade B	2	5	1	1	1	8	3		1
Junior Assistant Corporation Counsel unior Clerk (Female) now second grade clerk	5	3	*	•	-	1	3		
unior Clerk (Male) now second grade clerk	5 79								7
funior Draughtsman Selvice		2	16	1					1
Junior Mechanical Draughtsman (all grades)		4	1	20	20	8	7		7 1 5 1
Junior Topographical Draughtsman, Grade B			18	18		1	3		3
eeper (all grades)	2		10	10		1	3		3
									30

			NUB	BER .	APPOI	NTED			ᅻᆹ.
POSITIONS	1908	1909	1910	1911	1912	1913	1914	1915	58
AT - bt Assistant Chamical									ĺ
*Laboratory Assistant, Chemical *Laboratory Assistant, Chemical (Female)					1	6	1	8	
*Laboratory Assistant, Chemical (Male)							2		1
Laboratory Assistant, Diagnostic					8	11			1 1
Laboratory Assistant, Diagnostic (Male)				V I			3		
*Laboratory Assistant (Female) *Laboratory Assistant (Male)	10		27						Ι.
Laboratory Assistant (Male)	10		21		4	6			1 3
Laboratory Assistant, Research Laboratory Assistant, Research (Female)					1	ď	5		1 1
Laboratory Assistant, Research (Male) Laboratory Assistant, Vaccine							5		
Laboratory Assistant, Vaccine					3	3			3
*Law Clerk *Lay Sanitary Inspector (all grades)	17	99	1	6	3	7	1		
Leveler	11	1	1	0	0	•			13
Librarian, City Court, Grade 4		•				1			
Library Assistant					1	Ī			1
Marine Engineer	3	10		1					1
Mate		1	2		2	1	1		
Matron *Mechanical Draughtsman, Electrical (all grades)			2	5	7	3	6 2	1	
*Mechanical Draughtsman (all grades)		K	1 4	3	2	3	-		1
Mechanical Draughtsman, Heating and Venti-					-				
lating (all grades)	3	1	3	2 2	3				
Mechanical Draughtsman, Sanitary (all grades)	1		1	2	3 2	3	1		
*Mechanical Engineer (all grades) *Medical Clerk				1 2	2	2	1		
*Medical Examiner, Grade 3, Street Cleaning De-			HI D	-		-			
partment					1		1		
Medical Inspector				25					
Medical Inspector (Female)	3								
Medical Inspector (all grades) Medical Inspector (Male)	78					43	12		1 3
Medical Officer	10		1				100		
Medical Superintendent				1					
Messenger, Grade 1		1		1 7	1				1
*Micro Photographer		١			1		1		١
Nurse Nurses' Assistant		21	271	81 16	80 57	220			7.
Oculist, Grade 2, as Medical Inspector, knowledge			N	10	57	8	9	1	1
of Ophthalmology					1	1	1		1
Office Boy (now 1st Grade Clerk)	130		1		1 5		1		1 1
Oil Surveyor	7	1							
Overseer of Reformatory Pathologist	5	1				,	2		
*Pathological Chemist	3			5	1	3	1 1		
Patrolman	967	638	539)			1		2.1
Patrolman-on-Aqueduct	54			43		(1111)			4
Patrolman, First Grade	1	ш		535				1	5
Patrolman (Uniformed Force, Police Depart-	n					4 00.			١.,
ment) Pharmacist					092	1,084	145		1,9
*Photographer		1		1	2	3	1		1
*Photographer X-Rav			1 2	2		1			1
Physician, Examining			1	l					1
Physician, Grade 3, for care of mentally defective				1					1
children (Female) Physician, Grade 3, for care of mentally defec-									
tive children (Male)							1		1
Pilot		1	ı			i			1
*Plan Examiner	1	3	3 3	3 1					
Plan Examiner, Grade B, Sanitary and Plumbing						3		L)	1
*Plan Examiner, Grade C							•		1
*Plan Examiner, Tenement House Department Playground Attendant, Grade 1 (Female)	1				20	,	,	1	1
Playground Attendant, Grade 1 (Male)					20	1			
Playground Attendant, Gymnasium				6			1	1	1
Playground Attendant, Gymnasium, Grade 1 (Male)			1						1
(Male)	l				12				
Police Doorman	13	4		1	5		7	1.	1 :

TABLE 8 PROBABLE CIVIL SERVICE EXAMINATIONS—1916

The probable open competitive examinations by the Municipal Civil Service Commission are given in the list below. These examinations are necessary, owing to the fact, that either the eligible lists will expire during the year or that the lists are practically exhausted.

The following shows the date of the previous examinations, the date of the resulting eligible list, the title of the examination, the number of applications in the last examination and the number of names on the original eligible list.

Date of Exam.	Date of List	Examinations	Grade	No. of Appl.	No. on Orig. List
7-20-11	11- 8-11	Mechanical Engineer	E	99	24
12-22-11	5-14-12	Attendant (Male)		3178	1042
5-15-12	10- 9-12	Accountant	5	351	157
7-17-11	1-10-12	Junior Mechanical Draftsman	В	170	70
8-12-13	11-24-13	Captain, Fire Department (Promotion)		345	80
1-22-12	5-14-12	Bookbinder		50	0
11-16-11	3-13-12	Dietitian	-	16	7
6-11-12	10- 2-12	Junior Architectural Draftsman	В	129	17
10-15-12	1-22-13	Mechanical Draftsman, Electricial	l c	67	19
2-11-13	4-23-13	Mechanical Draftsman, Sanitary	C	67	11
4-19-12	7- 2-12	Arboriculturist		99	41
6-20-12	10-23-12	Assistant Electrical Engineer	E	134	63
11-27-11	3-19-12	Inspector of Sewer Construction	_	370	59
1-24-12	4-30-12	Inspector of Masonry Construction		367	72
	5- 7-12	Inspector of Masonry Construction		514	81
12- 6-11	5-21-12	Inspector of Regulating Grading and Paving		591	73
12-12-11	5-21-12	Inspector of Electrical Conductors	2	269	80
1-16-12		Inspector of Plastering	*	289	131
1-30-12	6-19-12			2721	554
2-26-12	11-14-12	Lieutenant, Fire Department (Promotion)		318	151
11-20-11	9- 4-12	Medical Officer—Fire Department		310	131
11-20-11	9- 4-12	Police Surgeon—Police Department		12	7
7-30-12	10-30-12	Resident Physician, Alcoholic Ward	2 I	4413	3120
5-13-13	12-30-12	Clerk	1	3566	819
4- 1-14	8-12-15	Patrolman	1,	3300	919
9-5and6 1912	4-23-13	Engineering Inspector, Civil	C&	1197	274
12-20-12	4- 9-13	Cable Tester		64	9
12-26-12	4-16-13	Inspector Fire Prevention		5504	181

			NUM	BER	APPOL				3%
POSITIONS	1908	1909	1910	1911	1912	1913	1914	1915	50
Police Matron		1	M C		4	4			
Police Surgeon (all grades)		1	2	2			1		
rison Keeper (all grades)	51	23			23	29	20		14
Probation Officer (Female) Probation Officer (Male) (all grades)		3	1		16 31	21	6		
Probation Officer (Male) (all grades) Probation and Parole Officer (Female)	3	,			31	21	٥		
Probation and Parole Officer (Male)	6								
Process Server (all grades)	14	5	7	8	10	8	3		111111111111111111111111111111111111111
Radiographer	1				1				
Registrar of Records, Grade 5						1			
Resident Physician (all grades)	1	28	62	36	42	2	15		
Rodman (all grades)		48	02	30	1 1	2	5		
chool Farm Attendant (Female)					i	•	,		
earcher		24	2	1	i		1		
ergeant-on-Aqueduct		30	27	1	1				
tationary Engineer (all grades)	19	18	9	15	3		8		
tationer					1		1		
Statistician (all grades)	1				1 1	1	1		
tenographer and Book Typewriter	37	P = 12			1 1				3
Stenographer and Typewriter Stenographer and Typewriter (Female) (all	31				1 1				٠
grades)	7	47	36	41	39	25	83		2
tenographer and Typewriter (Male) (all grades)	18	18	26		40	10	26		13
teward		1	1 - 7				1 73		
tore Keeper					11	1			1
Structural Steel Draughtsman (all grades)		1	2	8	1	1 2 8			1
uperintendent of Laundries	1 2			2		2	1		١.
upervising Nurse				- 4		1	6		١ '
abulating Machine Operator, Hollerith Teacher			1		1	•	,		
Teacher, Brooklyn Disciplinary Training School		3	1	4	2	2	1		1
Celegraph Operator			2						1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
elephone Operator (Female)	4	12			4	4	2		1
elephone Switchboard Operator (Female)			6	6	0.				-
elephone Operator (Male)	23	4	13	11	21	6	8		1 5
elephone Switchboard Operator (Male)			13	- 11	1				•
Cicket Agent (from Searcher's List) Cicket Chopper, Grade 1	1 8	1	1		3				
ime Keeper				3	3	1			
ime Keeper, Department of Docks and Ferries				1	1				
Title Examiner, Law Department					1 4	32	1		
Trade Instructor, Basketry and Matress Making		UL IX					2		
Transitman (all grades)				2	1 1				
rial Stenographer, Grade 5 Topographical Draughtsman (all grades)	2	37	7	13	28	3	37		11
I opographical Draughtsman (an grades)	-	1	2	10	20		4		
ypewriter Accountant (Female) (all grades) ypewriter Accountant (Male) Third Grade		2	5		2	2			
ypewriting Copyist and Book Typewriter, as			0110						
Book Typewriter		1111	1		1				
ypewriting Copyist (Female) as Book Type-		11113							
writer	1								
ypewriting Copyist and Book Typewriter (Male) Second Grade		2							1
ypewriting Copyist and Dictaphone Operator		-							
				1	1				2
vpewriting Copyist (Female) (all grades)	17	74	28	36	24	20			2
ypewriting Copyist (Male) (all grades)	3	7	9	4	3	10	9		
'eterinarian	4	1	6	4	6	5			
eterinarian, Department of Health					7		1		1
Visitor (Female)					2				
Visitor (Male) Visitor, Department of Public Charities		1		5	2				
Visitor, Department of Public Charities (Fe-				,					
male) from Probation Officer's List			1						
Visitor, Department of Public Charities (Male)			11		1				
Vatchman (all grades)	29		1		2		1		

[§] Not compiled — Dec. 31, 1915. * Most likely to appeal to college students or graduates.

Commercial Law Secretarial	10 Indian
Real Estate Law	
Typewriting	
Stenography	
Accounting	
Bookkeeping	
Statistics	
Application to Mechanic.	
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Physics	
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General Chem.	
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Sociology	
Govern, and Law	
Economics and Business	88
Pol. Science	
Psychology	
Applications to Laws and Sciences	
Philosophy History	
History	1
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Total Mumber of Answers Received	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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COMMITTEE ON MUNICIPAL SERVICE SURVEY

TABLE 10

EXEMPT POSITIONS IN THE NEW YORK CITY SERVICE 1

FEBRUARY 1, 1915

Number	At Salary of	Total Salaries	Number	At Salary of	Total Salaries
1	\$15,000.00	\$15,000.00	5	2,400.00	12,000.00
1	12,000.00	12,000.00	4	2,250.00	9,000.00
6	10,000.00	60,000.00	1	2,200.00	2,200.00
14	9,000.00	126,000.00	1	2,150.00	2,150.00
1	8,000.00	8,000.00	27	2,100.00	56,700.00
40	7,500.00	300,000.00	75	2,000.00	150,000.00
4	7,200,00	28,800.00	1	1,950.00	1,950.00
7	7,000.00	49,000.00	2	1,900.00	3,800.00
4	6,500.00	26,000.00	36	1,800.00	64,800.00
26	6,000.00	156,000.00	1	1,700.00	1,700.00
4	5,500.00	22,000.00	6	1,650.00	9,900.00
76	5,000.00	380,000.00	5	1,600.00	8,000.00
1	4,800.00	4,800.00	1	1,550.00	1,550.00
15	4,500.00	67,500.00	84	1.500.00	126,000.00
1	4,250.00	4,250.00	1	1,440,00	1,440,00
65	4,000.00	260,000.00	3	1,400.00	4,200,00
2	3,800,00	7,600.00	3	1,350.00	4,050.00
3	3,750,00	11,250.00	41	1,200.00	49,200.00
2	3,600,00	10.800.00	1	1,100.00	1,100.00
32	3,500.00	112,000.00	1	1,050.00	1,050.00
2	3,400.00	6,800.00	7	1,000.00	7,000.00
1	3,300.00	3,300.00	3	900.00	2,700.00
178	3,000,00	534,000.00	1	600.00	600.00
1	2,800,00	2,800.00	1	540.00	540.00
13	2,750.00	35,750.00	19	450.00	8,550.00
1	2,700.00	2,700.00	1	360.00	360.00
5	2,550,00	12,750.00		-	
95	2,500,00	237,500.00	933	1	\$3,027,140.00

¹ Positions in the Public Service Commission not included.

UNIVERSITY OF WASHINGTON LIBRARY

FOLDOUT TOO LARGE TO BE FILMED AS A WHOLE

FILMED IN SECTIONS ONLY

Finance	Ed of Estimate	Education	Hunter College City College	Doels and Ferrie	Bridges Tax and Ass'ts	Water Supply	Water Supply Tenement House	Owil Service		Charities Sellovue and	Health	Street Cleaning	Police	Chamberlain	of Accounts	Armory Bd.	Wetional Guara	Public Loud	Sinking Funds	Board of	Board of Elections	Licenses	Board of the	of Plumbers	Board of Ambulance Service	Board of Parote	Service Comm		. Brooklyn	* Richmond	Supreme Court	Special	City Court	Municipal Crs.	County Cour	County Clerk	Akorney Commin or	Administrato	Registers	Committee Resort	
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Chairman						
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Chauffeur			988126		8	
Chemist	17 7	17	3 1 13 2		117 421	
Chief City Mazistrate						2
a Deputy of Real Estate		11/				
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" Executive Officer						
of Battalion			17			
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City Clerk	. 14					
City Magistrate City Paymaster						35
Cisarers			21 82 2 40	2	162 38 59 24 10	/ 8
Clerks 4	120 87 34 942 5	9 10 78 57 135 82 375 246 45	5 49 29 77 36 252 64 49 40 10 13 2	15 3 1 1 8 45 28 27	1 2 1 1 57 123 45 92 48 29 144 33 3	35 28 94 88 25 114 158 50 29 7 20 27 60 4
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Comparer		112211				15 7
Campositor			3 5			+++++++++++++++++++++++++++++++++++++++
Computer Computer	1111				2	
Com uter of Assess'ts	D					
Consultant						9
Cook Co, vist	6		8 11 13			631
Coremaker						
Coroner Courses						
Corporation Counsel Counsel and Assistants	1				14	1 116
County Clerk						5
County Judge Court Attendant						29 16
Grier					2	2
Curator						
Curator and Auditor		2			2	2 16 25 1
Custodian	2					~ / / / / / / /
Dairyman						
Deckhand		149	16 33 5 3			
Demographer Dentist	1111		1 13			
Deputy					2	
Deputy Assistant Consoration Country Chamberlain	25					
Deputy Chief			15			
, City Clerk	4					
Collector of	4					
Commissioner Comptroller		3 2 6 2	13 117			
County Clerk						10
" Director	++++	111111				
" Register Sheriff						. 73
" Suptof Markets						
Tax Commisior		97			26	
Designer Detective		+ 1 + 1 + 1 + 1			23	7 0
Dietitian			13 2			
Directors& Assistant	3 21	3	3 / 3 /2			
District Attorney			30			5
Dock Builder	ПШ	273				
Dock Master		29				
Domestic Door Keeper	++++	11111	P80			
Draughtsmen	2 6 17 99	11 13 81 35 46	7 1 1 1 14		757 13 64 35 74 8	3 2 2 4
Driller	+					
Drill Master Driver	6	12 84	200 20 9 11 36 850 M 1		128 108 234 216 94	3 2
Divers and Tenders		13 07				
Editor						
Ega Candler Electrician	1	1 2 4	2 1 6 1 1 1	3	5 2	
Elevator Attendant	18	2 4				
" Constructor					6	
0. 11			2 10 13		75 8 9 2 2 1	
" Despatcher						
" Despatcher Elevatorman Employment Asent						
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Electrician	4 / 2 4	216 111 3	5 E 33
" Constructor " Despatcher	18 2 4		6
Elevatorman Employment Agent		2 0 13	73 & 9 2 & 1 116
Engineer 4 3/	7 8 42 35 172 253	15 10 33 10 10 2 9 3 10 15 1	815 91 58 112 68 ET 8 E 1741
Engineer Designer Engineer of Steamers	4 /	/95	195
Ensineman Entomologist Estimator	/ 3/ /	3 10 2 1	19
Examiner 45 47 22 2 Expert Blue Printer	10 1 15	39 66 4 1/8 2 3 1	4 1 2 4 287
Expert Investigator 1 Farmer		e e	/ 2
Feeder Finger nint Expert			.8 .3
Fire Expert Fireman	19 2 67	5 / 54 16 30 304 7	15 12 32 2 2 2 2 14000
Fire Marshall Fire Telegraph Operator		13	13
Flagger Foremen&Assistants Forester	73 12 9 85	90 2 5 1 5 198 9 1 1	9 5 2 3 75 az 42 9 1 1112
Franchise Assistants Franchise Searcher			
Gardener Gasfitter	2	(26 g 3 3 3	138
Gas Maker Gas Meter Tester			21
Gatekeeper Bateman Glazier	1	3	1
Guards 7 Harness Maker		1 24 2 3	8 33
Head of Anney Head of Department	7	1	7
Hoist Operator	2 4	1 126	129
Horseshoer Hose Repairer		2 10 10 12	22 2
Hospital Helper Hostler Housekeeper	1 2	37 224 396 5 1 164 11 66 7	3/43 300
Housesmith Hydrographer	25 1	3 6	19
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